Hardware Resources in an Electronic Device

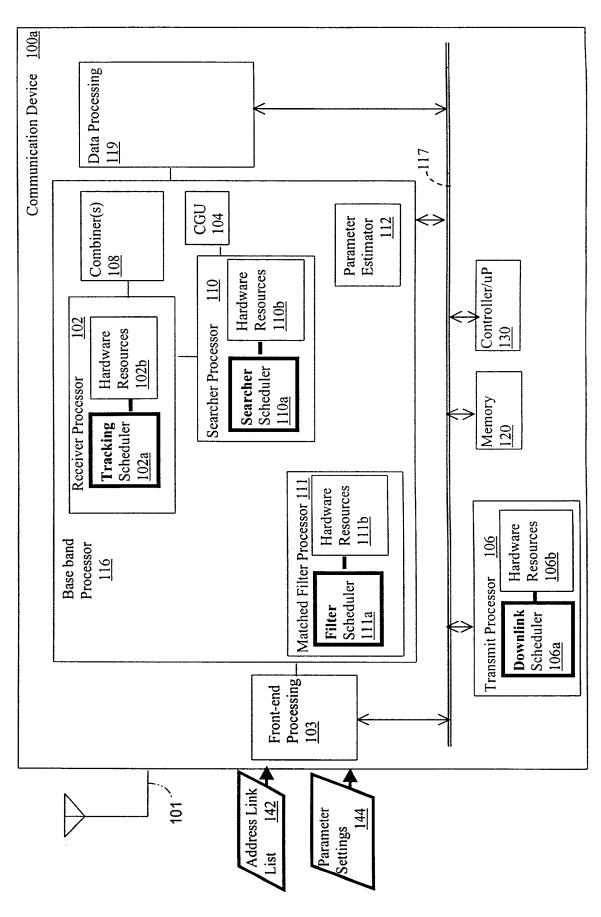


FIGURE 1A

Atty: Frank Morris
Atty Docket No: 009824-136-999 Inventor Kavoori Tiffe Wethod and Apparatus for Software-Based Allocation and Scheduling of Hardware Resources in an Electronic Device

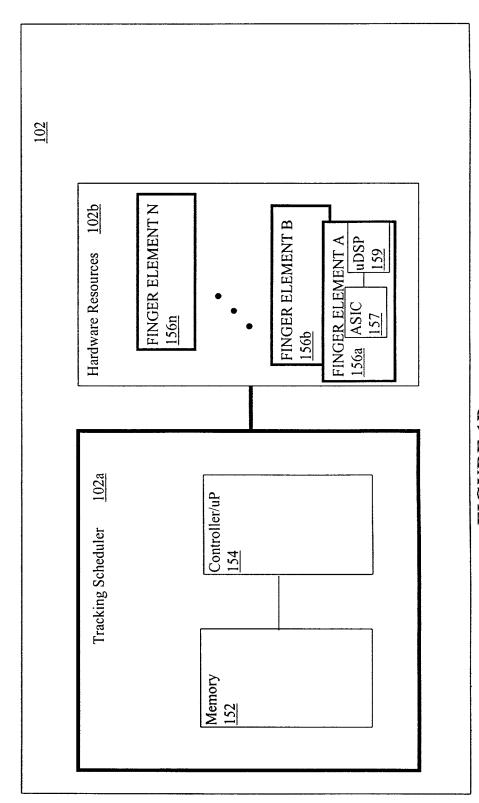


FIGURE 1B

Atty Docket No: 009824-136-999 Inventor Kavoori Title: Method and Apparatus for Software-Based Allocation and Scheduling of Tel No. 650-849-7777 Hardware Resources in an Electronic Device Atty: Frank Morris

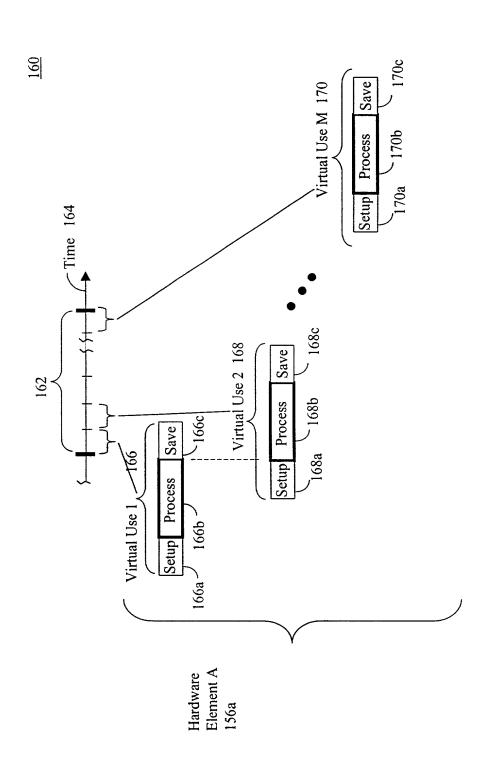


FIGURE 1C

Atty: Frank Morris

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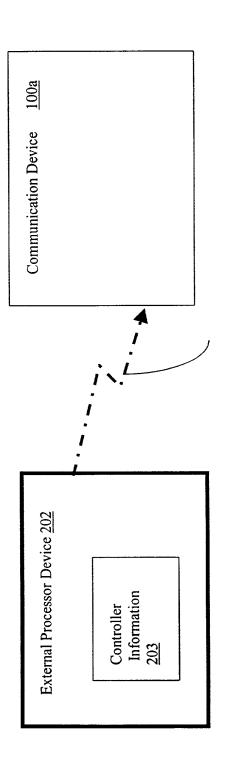


FIGURE 2A

Tel No. 650-849-7777

Atty Docket No: 009824-136-999 Inventor Kavoori Title: Method and Apparatus for Software-Based Allocation and Scheduling of Hardware Resources in an Electronic Device Atty: Frank Morris

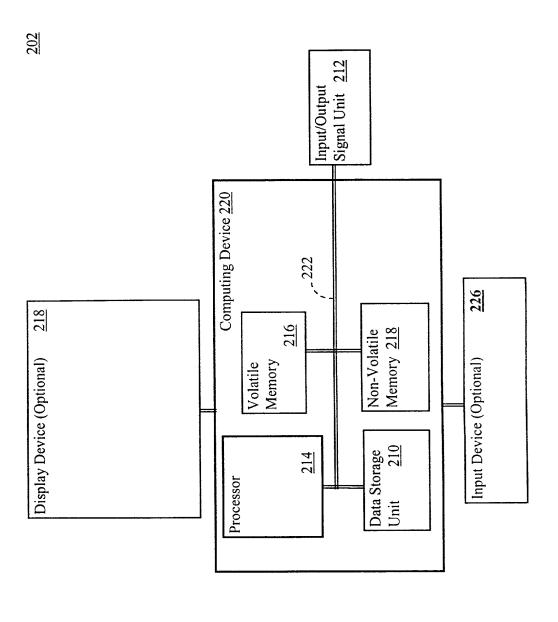


FIGURE 2B



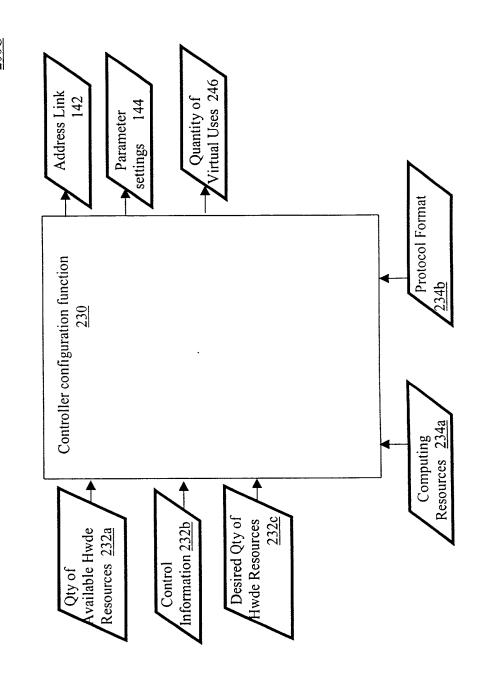


FIGURE 2C

Atty: Frank Morris DRAFT v 5 MTI CONFIDENTIAL Express Mail No:
Tel No. 650-849-7777
Atty Docekt No: 009824-136-999 Inventor 1: Ricken Title: Architecture For Dynamic Resource Allocation And Scheduling In A Communication Device ACTIVE

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· ·		bwilamRAM8B1	HW PARAM AI	HW PARAM B1	1		HW_PARAM_B2	HW_PARAM_A2	HW_PARAM_B1		HW_PARAM_B2	First Address Second	Link List 310 Addre	0010 0010	111 0011	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	FIGURE 3A
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312	Pingate A /	Resource Use	A	Finger B 1	Finger N M		Finger N 1	Finger A 2	Finger B 2		Finger N 2	H/W control H	rs set	SW PARAM_A1 H	SW_PARAM_BT		
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DRAFT v 5 Atty: Frank Morris Tel No. 650-849-7777

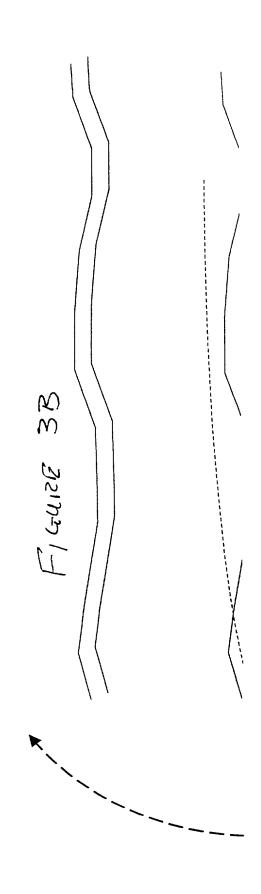
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A Communication Device

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1000 Fin	Finger B	2	SW_PARAM_B1	SW_PARAM_B1 HW_PARAM_B1 1001	1001	1010
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臣	Finger N	M	SW_PARAM_B2	SW_PARAM_B2 HW_PARAM_B2 0001	0001	0001



1D 354c RESOURCE B TABLE 334 10-1 Start 354b 0001 0111 Group 354a K ID TABLE 350 ID-N ID-7 10-1 RESOURCE A TABLE 352 1D 352c <u>--</u> 1 Start 352b 0001 0111 Group 352a ⋖

FIGURE 3C

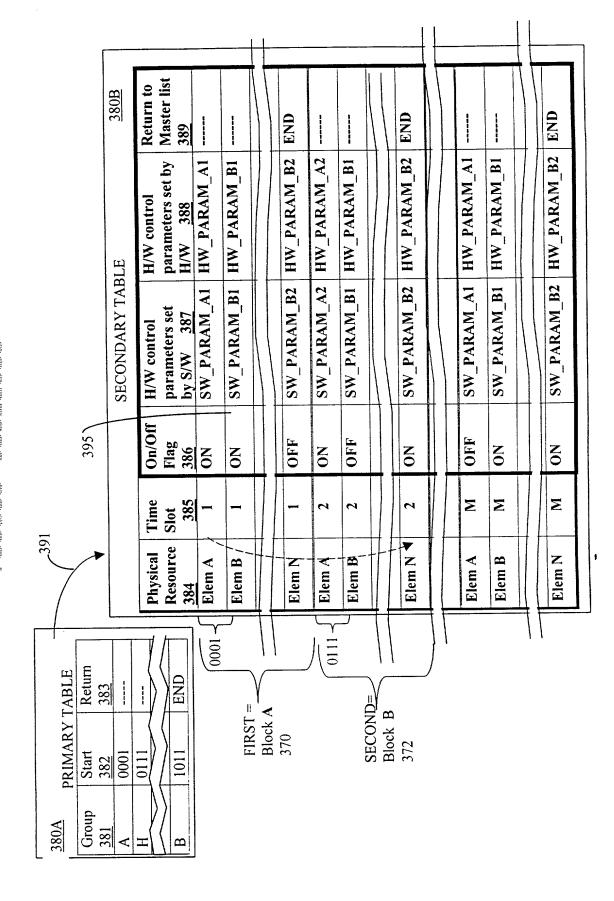


FIGURE 3D

Atty: Frank Morris Tel No. 650-849-7777

Atty Docket No: 009824-136-999 Inventor Kavoori et al. Title: Method and Apparatus for Software-Based Allocation and Scheduling of Hardware Resources in

an Electronic Device

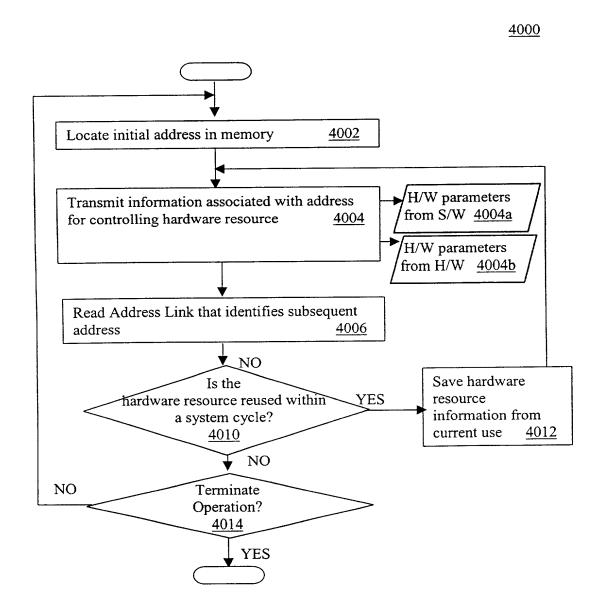


FIGURE 4A

Atty: Frank Morris Tel No. 650-849-7777 Title: Method and Atty Docket No: 009824-136-999 Inventor Kavoori et al. Apparatus for Software-Based Allocation and Scheduling of Hardware Resources in an Electronic Device Receive a quantity of available hardware 4100 4102 resources Generate a list in memory for linking requests to hardware resource Receive desired quantity of hardware resources to be operated in target device H/W parameters set Receive operation information for operating the by S/W 4106a hardware resources Receive request to use hardware resource 4107 Assign a memory address to the control information for each of the hardware resources 4108 Associate with the Has the NO control information of a desired quantity of hardware given hardware resource, resources been linked? an address link to a 4110 subsequent hardware resource 4112 YES Generate control information of the last hardware resource 4114

FIGURE 4B

Atty: Frank Morris Tel No. 650-849-7777

Atty Docket No: 009824-13&999 Inventor Kavoori et al. Title: Method and Apparatus for Software-Based Allocation and Scheduling of Hardware Resources in

an Electronic Device

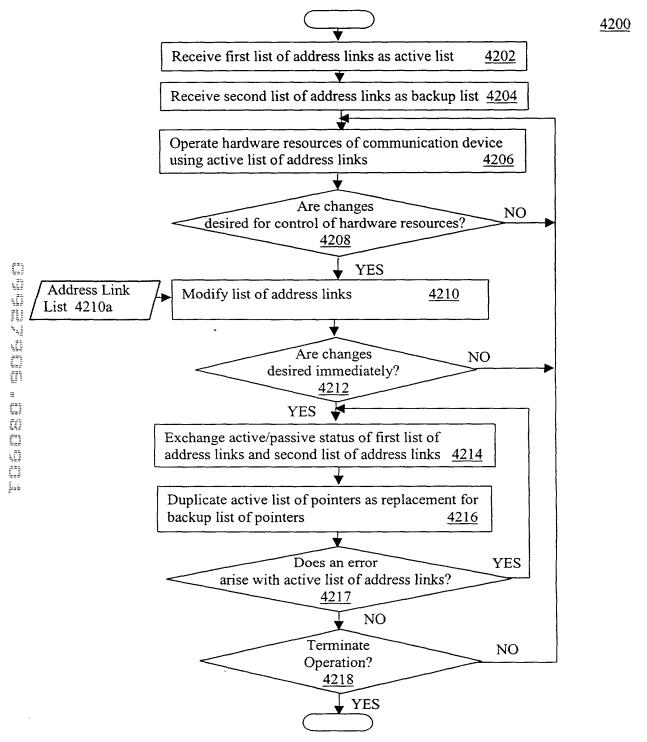


FIGURE 4C